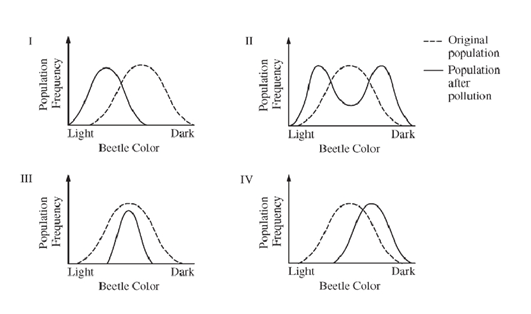
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**AP Biology: Unit 1, DBA #1**

Ms. OK, 2014-2015

**Objectives Assessed:** Topic 1 (Evolution Basics), Learning Targets A-C

***Practice Questions:*** *Answer the following questions thoroughly and accurately in preparation for your Daily Biology Assessment.*



1. Which of the following graphs includes the most likely change in the coloration of the beetle population after the population has been exposed to a predator that only eats dark colored beetles. Explain your choice.

2. Explain how populations of bacteria evolve to become antibiotic-resistant. (Hint: Some bacteria are naturally more resistant to antibiotics and some are easily killed by antibiotics.)

3. If two species (ex: chimpanzees and gorillas) have very similar DNA sequences, what does this indicate about these species evolutionary history?

4. Explain how the fossilized species *Archaeopteryx* provides evidence that modern birds may have evolved from ancient reptilian species. (Hint: See the portion of your Unit 1, Part 1 Notes that discusses transitional fossils!)

5. Scientists noticed that over time, a population of birds evolved larger beaks. Describe one POSSIBLE environmental change that could have resulted in this trend.